Title (en)

AIR-CONDITIONING HOT-WATER-SUPPLYING SYSTEM

Title (de)

HEISSWASSERVERSORGUNGSSYSTEM FÜR EINE KLIMAANLAGE

Title (fr)

SYSTÈME DE CLIMATISATION ET DE FOURNITURE D'EAU CHAUDE

Publication

**EP 2543940 A4 20150218 (EN)**

Application

**EP 10846978 A 20100302**

Priority

JP 2010053312 W 20100302

Abstract (en)

[origin: EP2543940A1] [Problem] To improve efficiency as the whole of an air conditioning/hot-water supply system. [Solving Means] The present invention includes hot-water supply assisting means (80) for using heat occurred in heating operation in hot-water supply operation. A control device (1a) includes: means (S10) that estimates a current air conditioning load; means (S11) that estimates a current air conditioning power consumption; means (S12) that estimates a current hot-water supply load; means (S13) that estimates a current hot-water supply power consumption; means (S16) that tentatively determines the estimated air conditioning load; means (S18) that calculates a new air conditioning load by adding a predetermined value to the tentatively determined air conditioning load; means (S18) that calculates an air conditioning power consumption based on the new air conditioning load; means (S19) that calculates a hot-water supply load based on the new air conditioning load; means (S20) that calculates a hot-water supply power consumption based on the new hot-water supply load; means (S22) that compares a total power consumption; and assist control means that controls action of the hot-water supply assisting means to approximate the new air conditioning load when the total power consumption is smaller (Yes at S22).

IPC 8 full level

**F24D 19/10** (2006.01); **F24D 17/02** (2006.01); **F24F 5/00** (2006.01); **F24F 11/00** (2006.01); **F25B 1/00** (2006.01); **F25B 29/00** (2006.01)

CPC (source: EP US)

**F24D 7/00** (2013.01 - EP); **F24D 11/02** (2013.01 - EP); **F24D 17/02** (2013.01 - EP); **F24D 19/1072** (2013.01 - EP US); **F24D 19/1081** (2013.01 - EP US); **F24F 5/001** (2013.01 - EP); **F24F 5/0096** (2013.01 - EP); **F25B 7/00** (2013.01 - EP); **F25B 29/003** (2013.01 - EP); F24D 2200/12 (2013.01 - EP); F24D 2200/14 (2013.01 - EP); F24D 2200/31 (2013.01 - EP); F24F 11/46 (2017.12 - EP); F24F 2140/50 (2017.12 - EP); F24F 2140/60 (2017.12 - EP); F24F 2221/18 (2013.01 - EP); F25B 13/00 (2013.01 - EP); F25B 2313/02741 (2013.01 - EP); F25B 2400/06 (2013.01 - EP); Y02B 10/20 (2013.01 - EP); Y02B 10/70 (2013.01 - EP); Y02B 30/52 (2013.01 - EP)

Citation (search report)

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- [Y] JP 2004116947 A 20040415 - OSAKA GAS CO LTD
- [A] JP H04263758 A 19920918 - KANSAI ELECTRIC POWER CO, et al
- See references of WO 2011108073A1

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GB2626802A; NL2018840B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2543940 A1 20130109**; **EP 2543940 A4 20150218**; CN 102753917 A 20121024; CN 102753917 B 20141105; JP 5553888 B2 20140716; JP WO2011108073 A1 20130620; WO 2011108073 A1 20110909

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